

Title (en)

Printing with sensor-based positioning of printing paper

Title (de)

Drucken mit sensorgestützten Positionierung von Druckpapier

Title (fr)

Impression avec regulation de la position de papier d'impression par capteur

Publication

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Application

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- JP 2000294122 A 20000927
- JP 2001249838 A 20010821

Abstract (en)

[origin: EP1193075A2] This printer prints images while accurately positioning image data on printing paper. Printing paper P is guided by guides 29a and 29b and is fed in the course of sub-scanning such that the two side edges thereof are above the left slot 26a and right slot 26b of a platen 26. A carriage 31 equipped with a photoreflector 33 is brought to the position shown by a broken line. The photoreflector 33 is used to detect the presence of printing paper P in the connection 26d between the left slot 26a and downstream slot 26r. The feeding during sub-scanning is stopped and some of the nozzles above the downstream slot 26r start printing images in the upper-edge portion Pf (lower edge in Fig. 1) of the printing paper P when the front edge of the printing paper P is detected by the photoreflector 33. <IMAGE>

IPC 8 full level

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Citation (search report)

- [XA] US 5192141 A 19930309 - CHUNG T MARK [US], et al
- [XA] JP H11240214 A 19990907 - BROTHER IND LTD
- [XA] GB 2320913 A 19980708 - SAMSUNG ELECTRONICS CO LTD [KR]
- [XA] US 5291227 A 19940301 - SUZUKI SHIGERU [JP]

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